

Lightning surge coupling decoupling network SPN 3832TM



In Compliance with

- > EN/IEC 61000-4-5
- > GB/T 17626.5

Introduction

SPN 3832TM can realize fully automatic three-phase coupling and decoupling function. Supply AC/DC power for EUT and can be used with CCS series and CWS series. Other EUT voltage and current level can be customized according to customers' requirement. It is manually choosing coupling lines and voltage can reach 6.6 kV (1.2/50 μ s). EUT MAX load capacity for AC 450 V(Lx-Lx), AC 250 V(Lx-N/PE), 32 A and DC 220 V, 16 A.

Features

- > EUT MAX load capacity: AC 450 V (Lx-Lx), AC 250 V (Lx-N/PE), 32 A and DC 220 V, 16 A;
- > Maximum current can reach 32 A;
- > Manually select the coupling decoupling path;
- > As per EN/IEC 61000-4-5;
- > Compatible with other brands of surge generators.

Application Areas

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|----------------------------|--------------------|
| > Communication technology | > Information |
| > Telecom | > Military |
| > Medical | > Aviation |
| > Radio and TV | > New energy power |
| > Railway | > Electric Vehicle |

Technical Parameters	
Standard	EN/IEC 61000-4-5
Test voltage	MAX 6.6 kV(1.2/50µs)
Test current	MAX 3.3 kA(8/20µs)
Coupling port	L1(DC+), L2, L3, N(DC-), PE
Coupling path	Lx - Lx/N line to line Lx/N - PE line to PE
Coupling switching mode	Manual
Coupling capacitance	9 µF, 18 µF
Coupling resistance	10 ohm, 0 ohm
EUT load capacity	MAX AC 450 V (Lx-Lx) 32 A MAX AC 250 V (Lx-N/PE) 32 A MAX DC 220 V 16 A
Residual pulse voltage at the injection of EUT	Less than 15% of test pulse voltage or 2 times rated voltage of CDN

Standard Accessories
User manual, Fuse, power cord, Test wire, Factory report, Grounding wire

General Parameters	
Work Supply	Power AC 110 V / 220 V±10%, 50 Hz / 60 Hz (AC 220 V in China)
Fuse	6 A
Max Power	100 W
Grounding mode	Banana line
Dimension	6 U
Weight	Approx.38 kg
Ambient Temperature	15 °C ~ 35 °C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Optional Accessories
CWS 600X: Combination wave lightning surge simulator, as per IEC 61000-4-5, Maximum voltage can reach 6.0 kV(1.2/50µs), 3.0 kA(8/20µs)
CCS 600: Combined immunity tester, as per IEC 61000-4-5, Maximum voltage can reach 6.0 kV(1.2/50µs), 3.0 kA(8/20µs)
VCF-80 Differential probe VCF-80 test voltage: 8 kV (Attenuation 1000:1)
CM 0220M Broadband current monitoring pliers : CM 0220M(Attenuation : 0.01 V/A)



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